

1 - Biomass Constituents

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

- Certified values are normal font
- Reference values are italicized
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| SRM | 2790 | 2791 |
|-----------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Description | Inorganic Constituents in Hardwood Biomass Material | Inorganic Constituents in Softwood Biomass Material |
| Unit Size | (2 x 30 g) | (2 x 30 g) |
| Values are in mg/kg unless noted with an asterik (*) for percent (%). | | |
| Aluminum (Al) | 92.06 | 73.6 |
| Antimony (Sb) | 0.0397 | 0.0399 |
| Arsenic (As) | 0.0335 | 0.0067 |
| Ash | 0.604* | 0.52* |
| Boron (B) | 3.210 | 2.704 |
| Cadmium (Cd) | | 0.0821 |
| Calcium (Ca) | | 527 |
| Carbon (C) | 51.73* | 53.4* |
| Cerium (Ce) | 0.5523 | 0.1692 |
| Cesium (Cs) | 0.0199 | 0.00505 |
| Chlorine (Cl) | 35.40 | 37.1 |
| Chromium (Cr) | 1.59 | 0.187 |
| Cobalt (Co) | 0.098 | 0.0551 |
| Copper (Cu) | 1.545 | 0.687 |
| Hydrogen (H) | 6.291* | 6.39* |
| Iron (Fe) | 82.9 | 9.6 |
| Lanthanum (La) | 0.643 | 0.14 |
| Magnesium (Mg) | 189 | 155 |
| Manganese (Mn) | 52.4 | 39.92 |
| Mercury (Hg) | 0.01323 | 0.00923 |
| Values are in mg/kg unless noted with an asterik (*) for percent (%). | | |
| Potassium (K) | 1040 | 428 |
| Rubidium (Rb) | 3.11 | 0.807 |
| Samarium (Sm) | 0.0507 | 0.01338 |
| Scandium (Sc) | 0.0111 | 0.00615 |
| Selenium (Se) | 0.0102 | 0.0165 |

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| | | |
|----------------------|---------------|----------------|
| Silver (Ag) | <i>0.0079</i> | <i>0.01491</i> |
| Sodium (Na) | 26.0 | 14.2 |
| Thorium (Th) | <i>0.0146</i> | <i>0.00507</i> |
| Titanium (Ti) | <i>11.1</i> | <i>55.6</i> |
| Tungsten (W) | <i>0.225</i> | <i>0.0201</i> |
| Vanadium (V) | 0.243 | 0.0448 |
| Zinc (Zn) | 9.26 | 19.3 |

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